1996 Keystone Symposia on Molecular and Cellular Biology

Oxidant Stress: From Molecules to Man

Organizers: Mary E. Gerritsen, D. Neil Granger and Guy A. Zimmerman
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Mon 1/8—REGISTRATION—ORIENTATION—KEYNOTE ADDRESS: **B. Ames,** Univ California-Berkeley, *"Understanding the Causes of Aging and Cancer"*

Tues 1/9—OXIDATIVE STRESS: INTRACELLULAR SIGNALLING: **M. Wolin,** New York Medical College, *"Oxidant Radical Signalling in Vascular Tissue"*; **S. Elliott*,** Baylor College of Medicine, *"Oxidants and Membrane Transport"*; **R. Cohen,** Boston University, *"NO and Ion Channels"*—INTERCELLULAR SIGNALLING: THE ROLE OF NO/PEROXYNITRITE: **J. Beckman*,** Univ of Alabama; **L. Ignarro,** Univ California-Los Angeles, *"Regulation of Nitric Oxide Synthase Activity and Expression by Nitrogen and Oxygen Derived Radicals"*; **D. Wink,** National Cancer Institute, *"Cytoprotective Actions of NO"*; **J. Stamler,** Duke University, *"NO/Thiol Interactions in Regulation of Cellular Defense"*

Wed 1/10—STRESS, SIGNALLING AND CYTOKINES: **G. Zimmerman*,** Univ of Utah; **A. Weyrich,** Univ of Utah, *"Regulation of Adhesion-Dependent Immediate Early Gene Expression in Monocytes"*; **P. Young,** SmithKline Beecham, *"Regulation of Inflammatory Cytokine Synthesis by a Member of the MAP Kinase Family"*; **J. Woodgett,** Ontario Cancer Institute, *"Physiological Functions of the Stress- Activated Protein Kinase Pathways"*; **S. Keyse,** Univ of Edinburgh, *"Inactivation of MAP Kinases Regulates Stress Signalling"*—TRANSCRIPTIONAL REGULATION BY REACTIVE OXYGEN INTERMEDIATES: **T. Collins*,** Brigham & Women's Hospital, *"Cytokine-Induced Enhancers"*; **M. Karin,** Univ California-San Diego, *"Mitogen Activated Protein Kinases and the Induction of AP-1 Activity by Environmental Stress"*; **P. Baeuerle,** Univ of Freiburg, *"Oxidants, Proteases and the Activation of NF-KB"*; **R. Medford,** Emory University, *"Oxidants and Vascular Adhesion Protein Gene Transcription and Expression: A Molecular Paradigm for Atherosclerosis"*

Thur 1/11—GENE REGULATION AND ANTI-OXIDANTS: **M. Gerritsen*,** Miles, Inc.; **B. Mossman,** Univ of Vermont, *"Environmental Oxidants, Gene Regulation and Antioxidant Defense Mechanisms"*; **J. Hoidal†,** Univ of Utah, *"Regulation of NO Expression"*; **B. Pitt,** Univ of Pittsburgh, *"Oxidants and Metallothionein Expression"*—REACTIVE OXYGEN INTERMEDIATES AND APOPTOSIS: **G. Bulkley*,** Johns Hopkins University; **A. Eastman,** Dartmouth Medical School, *"Positive and Negative Regulators of Apoptosis"*

Fri 1/12—INFLAMMATION: **N. Granger*,** Louisiana State University; **G. Schonbein,** Univ California-San Diego, *"NO Synthase Inhibitors and the Initiation of Oxidant Stress"*; **M. Grisham,** Louisiana State University, *"Nitric Oxide and Chronic Inflammation"*; **T. Mc Intyre,** Univ of Utah, *"Oxidized Phospholipids: Generation and Roles in Inflammatory Injury"*—OXIDIZED LIPIDS: MOLECULES AND MECHANISMS: **B. Freeman*†,** Univ of Alabama; **G. Fitzgerald†,** Univ of Pennyslvania, *"Isoprostanes and Oxidant Stress"*; **A. Fogelman,** Univ California-Los Angeles, *"Oxidized Lipoproteins and Chronic Inflammation"*; **D. Harrison,** Emory University, *"Vascular Oxidant Radical Production in Pathologic Conditions"*; **T. Aw,** Emory University, *"Glutathione in Assimilation and Detoxification of Oxidized Lipids"*—BANQUET

Sat 1/13—REACTIVE OXYGEN INTERMEDIATES AND DISEASE PROCESS: **M. Grisham*,** Louisiana State University; **J. Beckman,** Univ of Alabama, *"Peroxynitrite and Tyrosine Nitration"*; **L. Clerch,** Georgetown University, *"Lung Anti-Oxidant Enzymes and Hyperoxia"*; **B. Freeman†,** Univ of Alabama, *"Superoxide and Peroxynitrite in Athero- Sclerosis"*—GENETIC MODELS AND GENE THERAPY: **J. Mc Cord*,** Univ of Colorado, *"Genetic Strategies for Anti-Oxidant Therapy"*; **C. Epstein,** Univ California-San Francisco, *"The Effects of Altered Superoxide Dismutase Activity"*; **D. Bredt,** Univ California-San Francisco, *"Genetic Analysis of Nitric Oxide Genes in Brain"*; **J. Whitsett,** Children's Hospital, *"Transgenic Models of Pulmonary Disease: Implications for Novel Therapies"*

Sun 1/14—Departure

Posters: 1 Oxidative Stress: Intracellular Signalling; Intercellular Signalling: The Role of NO/Peroxynitrite; 2 Stress, Signalling and Cytokines; Transcriptional Regulation by Reactive Oxygen Intermediates; 3 Gene Regulation and Anti-Oxidants; Reactive Oxygen Intermediates and Apoptosis; 4 Reactive Oxygen Intermediates and Disease Process; Genetic Models and Gene Therapy

* = Session Chairperson; † = Invited, not yet responded.

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